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PTO/SB/21 (08-00)

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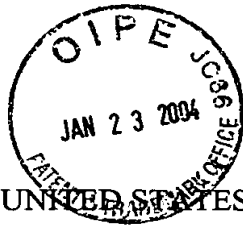
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	10/655,917
	<b>Filing Date</b>	09/5/2003
	<b>First Named Inventor</b>	James F. Blubaugh ET AL.
	<b>Group Art Unit</b>	2862
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b> 02-131

<b>ENCLOSURES (check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b>		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
Firm or Individual name	D. James Barnes, Registration No. 48,869
Signature	
Date	January 20, 2004

<b>CERTIFICATE OF MAILING</b>			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: 01/20/2004			
Typed or printed name	D. James Barnes		
Signature		Date	1/20/2004

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PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	
James F. Blubaugh et al.	)	
Application No.: 10/655,917	)	Art Unit: 2862
Filed: September 5, 2003	)	Examiner: Unassigned
For: POSITION SENSING CYLINDER	)	
CAP FOR EASE OF SERVICE	)	
AND ASSEMBLY	)	
Attorney Docket No. 02-131	)	
<hr/>		

Peoria, Illinois 61629-6490

Date: January 20, 2004

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. Copies of the listed documents are attached.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

FEES

It is believed that this Information Disclosure Statement is being filed before the mail date of a first Office action on the merits for the above-referenced application. Therefore, no fees are believed to be incurred in connection with the filing of this Statement. However, should any attached papers become lost or separated or should additional fees or petitions be deemed necessary in connection with the filing of this Statement, the Commissioner is requested to treat this as such petition, and is hereby authorized to charge any fees due to Caterpillar Inc.'s Deposit Account No. 03-1129.

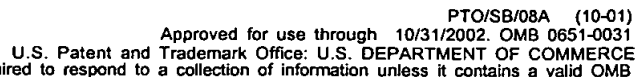
Respectfully submitted,



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D. James Barnes  
Registration No. 48,869  
Caterpillar Inc.

Telephone: (309) 494-1815  
Facsimile: (309) 675-1236



<b>Application Number</b>	10/655,917
<b>Filing Date</b>	09/5/2003
<b>First Named Inventor</b>	James F. Blubaugh ET AL.
<b>Art Unit</b>	2862
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	02-131

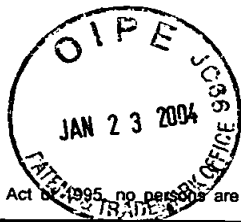
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 614,259	11-15-1898	Bouldry	
		US- 2002/0135359	9-26-2002	Steinich	
		US- 3,898,555	8-5-1975	Tellerman	
		US- 3,915,070	10-28-1975	Mailliet	
		US- 4,121,504	10-24-1978	Nowak	
		US- 4,179,982	12-25-1979	Saotome	
		US- 4,552,055	11-12-1985	Foxwell	
		US- 4,632,018	12-30-1986	Lymburner	
		US- 4,718,647	1-12-1988	Ludwig	
		US- 4,771,866	9-20-1988	Heideman et al.	
		US- 4,788,489	11-29-1988	Kobayashi et al.	
		US- 4,883,150	11-28-1989	Arai	
		US- 4,899,643	2-13-1990	Hvilsted et al.	
		US- 4,952,873	8-28-1990	Tellerman	
		US- 4,961,055	10-2-1990	Habib et al.	
		US- 5,103,172	4-7-1992	Stoll	
		US- 5,150,049	9-22-1992	Schuetz	
		US- 5,182,980	2-2-1993	Greer	
		US- 5,198,761	3-30-1993	Hashimoto et al.	
		US- 5,320,325	6-14-1994	Young et al.	

[illegible]

Date Considered

1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		<b>Application Number</b>	10/655,917
		<b>Filing Date</b>	09/5/2003
		<b>First Named Inventor</b>	James F. Blubaugh ET AL.
		<b>Art Unit</b>	2862
		<b>Examiner Name</b>	
		<b>Attorney Docket Number</b>	02-131
<b>Sheet</b>	2	<b>of</b>	4

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>7</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 5,514,961	5-7-1996	Stoll et al.	
		US- 5,583,433	12-10-1996	Sawa	
		US- 5,717,330	2-10-1998	Moreau et al.	
		US- 5,815,091	9-29-1998	Dames et al.	
		US- 5,952,823	9-14-1999	Nyce et al.	
		US- 5,977,778	11-2-1999	Chan et al.	
		US- 5,998,992	12-7-1999	Arai	
		US- 6,250,612	6-26-2001	Doll	
		US- 6,356,071	3-12-2002	Koski et al.	
		US- 6,509,733	1-21-2003	Blubaugh et al.	
		US- 6,528,990	3-4-2003	Nyce	
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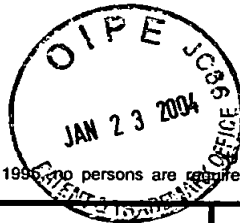
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>7</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

<b>Examiner Signature</b>		<b>Date Considered</b>	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449B/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		<b>Application Number</b>	10/655,917
<b>Sheet</b>	3	<b>of</b>	4
		<b>Filing Date</b>	09/5/2003
		<b>First Named Inventor</b>	James F. Blubaugh ET AL.
		<b>Group Art Unit</b>	2862
		<b>Examiner Name</b>	
		<b>Attorney Docket Number</b>	02-131

<b>NON PATENT LITERATURE DOCUMENTS</b>			
<b>Examiner Initials*</b>	<b>Cite No.<sup>1</sup></b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</b>	<b>T<sup>2</sup></b>
		Balluff, Micropulse - Liner Position Transducers 2002 Catalog, pages through 103	
		MTS Sensors Group, The Magnetostrictive Position Sensors, Temposonics M-Series Rod Model MH	
		MTS Temposonics, Linear Position Sensors, Product Specifications	
		MTS Temposonics, Absolute Non-Contacting Position Sensors, Application Guide, 1998	
		Hydro-Line, Inc., HLT-II, The Newest Generation Hydr-Line Magnetostrictive Linear Positioning Sensing Transducer, 1996	
		MTS Temposonics LK Embeddable Sensors, OEM Integrator's Manual, 1998	
		MTS Temposonics L Series LD, Product Specifications, 1999	
		MTS Temposonics III and L Series Position Sensors, Product Line Overview, 1996	
		MTS Temposonics L Series LD, Product Specifications, 1998	
		Attachment 1, MTs Performance Capabilities, 1998	
		Attachment 2, Photo of Sensor, no date	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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Sheet	4	of	4												

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